**CMT 413**

**NETWORK AND SYSTEM ADMINISTRATION**

**Applying technology in an environment**

->The key task of network and system administration is to build the hardware configurations and the other is to configure software systems

->Both of these tasks(Hardware and Software configure software systems

->Both of these functions presents their own challenges i.e hardware configuration challenges and none of these challenges can be considered in isolation

->The hardware must conform to the constraints of the physical world

->Such challenges include : power, climate

->The kind of hardware limits the software that can run on it

->The hardware constraints affect the performance to basic standards in order to work systematically

->For software configuration, basic operating system, infrastructure are key to conformance standards

->Modern software in the context of global network need to interact and survive possible hostilities of the incompatible or inhospitable competitors

->Today the complexity of multiple software systems sharing a common internet space reaches almost the level of the biological

->In today’s networks, our focus is not only in the physical environment but the technology environment

→The challenge with the technology environment is that it is constantly changing